



(19)

(11) Publication number:

09028392 A

Generated Document.

PATENT ABSTRACTS OF JAPAN

(21) Application number: **07180206**

(51) Intl. Cl.: **C12P 17/02**

(22) Application date: **17.07.95**

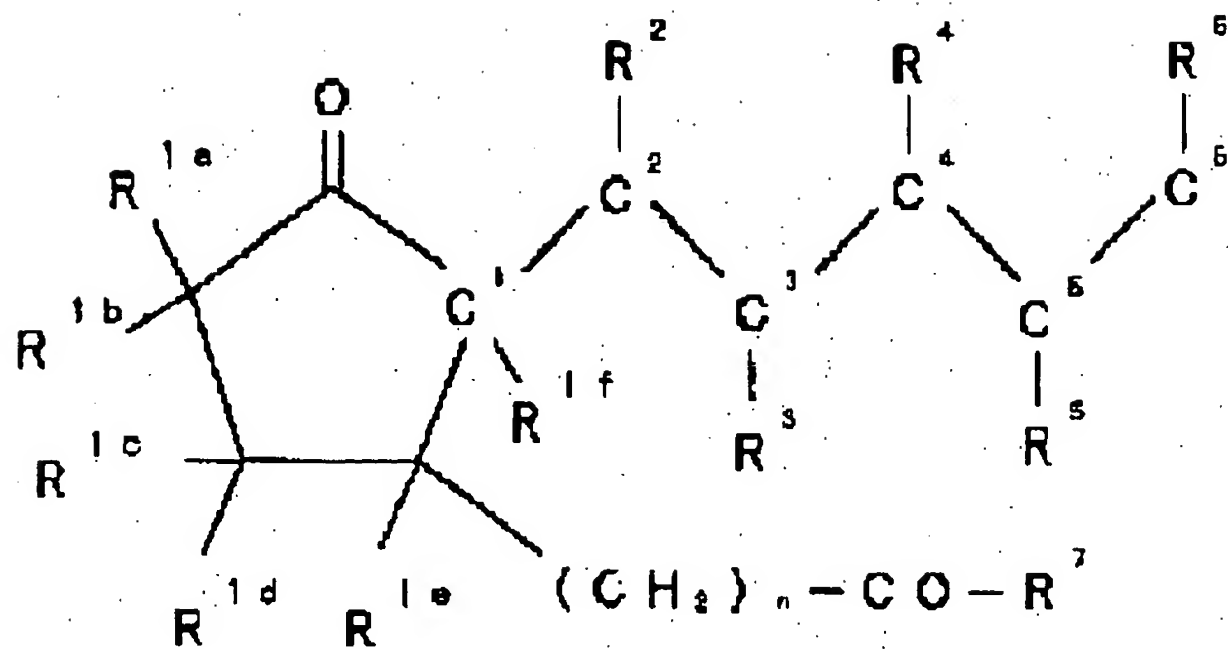
<p>(30) Priority:</p> <p>(43) Date of application publication: 04.02.97</p> <p>(84) Designated contracting states:</p>	<p>(71) Applicant: MITSUI PETROCHEM IND LTD</p> <p>(72) Inventor: TABATA HOMARE HARA YASUHIRO</p> <p>(74) Representative:</p>
---	--

(54) **PRODUCTION OF TAXANE-TYPE DITERPENE**

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain a diterpene useful for curing, etc., of ovarium cancer, breast cancer, lung cancer, etc., in high productivity by culturing tissue or cell of a plant producing taxane-type diterpene in the presence of a compound increasable of Ca concentration in the cell and recovering the product.

SOLUTION: The objective taxane-type diterpene (e.g. taxol) is obtained by culturing a tissue and/or cell of a plant producing taxane-type diterpene (e.g. *Taxus baccata* LINN) in the presence of a compound increasable of calcium concentration in the cell (e.g. calcium ionophore) or in the presence of a compound of the formula JR1a-R1f are each H, OH, a 1-6C alkyl or a 1-6C alkoxy; R2-R6 are each H or a 1-6C alkyl; a side chain may contain more than one double bond; R7 is OH, an OM (M is an alkali metal, an alkaline earth metal or NH4), an OR9 (R0 is a 1-8C alkyl or a hydrocarbon residue) or a 1-6C alkyl, etc.; (n) is 1-7[(e.g. tuberonic acid) and recovering a product from the resultant cultured substance and/or the medium.



The Delphion Integrated View

[Buy Now: More choices...](#)
[Tools: Add to Work File: Create new Work File](#)
[Go](#)
[View: INPADOC](#) | [Jump to: Top](#)
[Go to: Derwent...](#)
[Email this to a friend](#)

🔍 Title: **JP9028392A2: PRODUCTION OF TAXANE-TYPE DITERPENE**

🔍 Country: **JP Japan**

🔍 Kind: **A**

🔍 Inventor: **TABATA HOMARE;
HARA YASUHIRO;**

🔍 Assignee: **mitsui petrochem ind ltd**
[News, Profiles, Stocks and More about this company](#)

🔍 Published / Filed: **Feb. 4, 1997 / July 17, 1995**

🔍 Application Number: **JP1995000180206**

🔍 IPC Code: **C12P 17/02; C12P 17/02;**

🔍 Priority Number: **July 17, 1995 JP1995000180206**

🔍 Abstract:

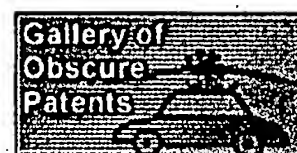
PROBLEM TO BE SOLVED: To obtain a diterpene useful for curing, etc., of ovarium cancer, breast cancer, lung cancer, etc., in high productivity by culturing tissue or cell of a plant producing taxane-type diterpene in the presence of a compound increasable of Ca concentration in the cell and recovering the product.

SOLUTION: The objective taxane-type diterpene (e.g. taxol) is obtained by culturing a tissue and/or cell of a plant producing taxane-type diterpene (e.g. *Taxus baccata* LINN) in the presence of a compound increasable of calcium concentration in the cell (e.g. calcium ionophore) or in the presence of a compound of the formula JR1a-R1f are each H, OH, a 1-6C alkyl or a 1-6C alkoxy; R2-R6 are each H or a 1-6C alkyl; a side chain may contain more than one double bond; R7 is OH, an OM (M is an alkali metal, an alkaline earth metal or NH4), an OR9 (R0 is a 1-8C alkyl or a hydrocarbon residue) or a 1-6C alkyl, etc.; (n) is 1-7[(e.g. tuberonic acid) and recovering a product from the resultant cultured substance and/or the medium.

COPYRIGHT: (C)1997,JPO

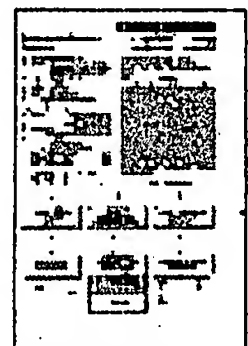
🔍 Family: **None**

🔍 Other Abstract Info: **CHEMABS 126(16)211120X CAN126(16)211120X DERABS C97-159099
DERC97-159099**



[Nominate](#)

[this for the Gallery...](#)



[View Image](#)

1 page